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#### A real-time continuous **gesture** recognition system for **sign** language

RH Liang, M Outryoung - Automatic Face and **Gesture** Recognition, 1998. Proceedings. ..., 1998 - ieeexplore.ieee.org ... listed in the previous subsection as **input** of HMMs ... Recognition of Space-**Time** Hand-**Gestures** using Hidden Markov ... Figure A.3. Eight motion **types** in Taiwanese **Sign** ...

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#### 

S Oviatt, A DeAngeli, K Kuhn - Proceedings of the SIGCHI conference on Human factors in ..., 1997 - portal.acm.org ... Task Action Analysis Figure 2 illustrates that **type** of task ... re 2. They tended to involve graphic **input** to M ... unimodally-ranging between 51 and 7770 of the **time**. ...

Cited by 300 - Related articles - Web Search - Bi., Direct - All 21 versions

# Real-Time American Sign Language Recognition Using Desk and Wearable Computer Based Video - \*minnen.org

T Starner, J Weaver, A Pentland - IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE ..., 1998 - doi. ieeecomputersociety.org

... While there are many different **types** of **gestures**, the ... The resulting information is **input** to a HMM ... In addition, the real-**time** recognition techniques described ...

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### 

Y Wu, TS Huang - Urbana, 1999 - Springer

... HMM is a **type** of statistical model. ... F., Coutaz,J.: Finger Tracking as An **Input** Device for ... Liang, R., Ouhyoung, M.: A Real-**time** Continuous **Gesture** Recognition ...

Cited by 147 - Related articles - Web Search - Bl. Direct - All 8 versions

#### A dynamic **gesture** recognition system for the Korean **sign** language (KSL)

JS Kim, W Jang, Z Bien - Systems, Man and Cybernetics, Part B, IEEE Transactions on, 1996 - ieeexplore.ieee.org ... of hands and fingers are used: one **type** consists of ... effectiveness of hardware versus real-**time** processing capability ... system is adopted as an **input** sensing device ...

Cited by 38 - Related articles - Web Search - BL Direct - All 3 versions

## [CITATION] A sign language recognition system using hidden markov model and context sensitive search

RH Liang, M Ouhyoung - Proceedings of the ACM Symposium on Virtual Reality Software ... Cited by 46 - Related articles - Web Search

#### 

T Starner - 1995 - dspace.mit.edu

... orientation, and trajectory information is then **input** to an ... However, hand annotation is a **time**-consuming process ... adds another dimension to the **types** of features ...

Cited by 499 - Related articles - Web Search - Library Search - All 13 versions

## [CITATION] ... and constraints in early lexical acquisition: Evidence from children's early language and gesture

LA Petitto - Modularity and constraints in language and cognition, 1992

Cited by 30 - Related articles - Web Search

#### Gesture recognition using recurrent neural networks

K Murakami, H Taguchi - Proceedings of the SIGCHI conference on Human factors in ..., 1991 - portal.acm.org

... There are several **types** of human **gestures** human ... Context layer **input** data; **input** data : **input** data at ... Data Glove and determines the starting **time** of sampling. ...

Cited by 125 - Related articles - Web Search - All 5 versions

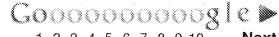
Real-Time American Sign Language Recognition from Video Using Hidden Markov Models - \*gatech.edu (PDF)

T Starner, A Pentland - COMPUTATIONAL IMAGING AND VISION, 1997 - doi.ieeecomputersociety.org

... shape, orientation, and trajectory information is then **input** to a ... at a rate five times faster than real **time**. ... absolute number of errors of each **type** are listed ...

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Key authors: T Starner - A Pentland - S Oviatt - J Weaver - J Cassell



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